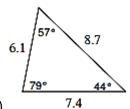
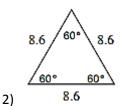
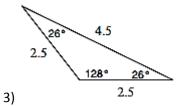
Show your work where needed, and write your answer in the space provided.

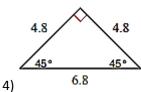
Classify each triangle based on its angles and sides



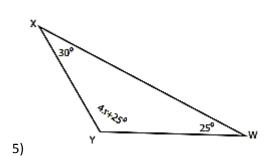


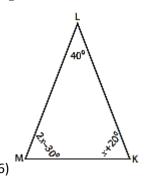
1)





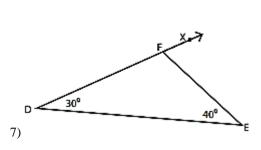
Find the value of x and the measure of the missing angle

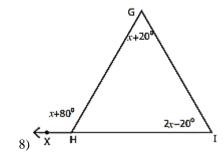




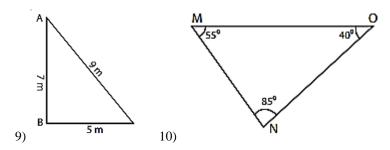
- 1) _____
- 2) _____
- 3)
- _____
- 4) _____
- 5) x=_____angle measure=_____
- 6) x=_____angle measure=
- 7) _____
- 8)_____

Find the measure of the exterior angle

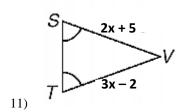


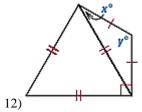


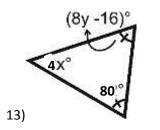
In #9, arrange the <u>angles</u> from smallest to greatest. In #10, arrange the <u>sides</u> from smallest to greatest.



Find the value of the variables







Indicate whether the following measures could form a triangle and why or why not. Show your work.

14) 3, 5, 9

15) 8, 7, 15

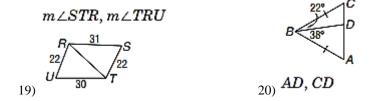
16) 2, 5, 6

Write the range of possible values for the third side of the triangle given the following two side lengths

17) 4 and 6

18) 12 and 12

Indicate what the relationship between the following pairs of sides or angles is (>, < or =)



Extra credit: \triangle ABC has vertices A(0, 5), B(0, -5), and C(-3, 3). Find the measures of its sides and classify the triangle by its sides.

9) smallest <i>L</i> :
medium \mathcal{L} :
greatest L:
10) smallest side:
medium side:
greatest side:
11) x=
12) x=
y=
13) x=
y=
14) Yes No
because
15) Yes No
because
16) Yes No
because
17)
18)
19) m/STRm/TRU
20) ADCD
EC) AB= BC=
AC=
Туре: